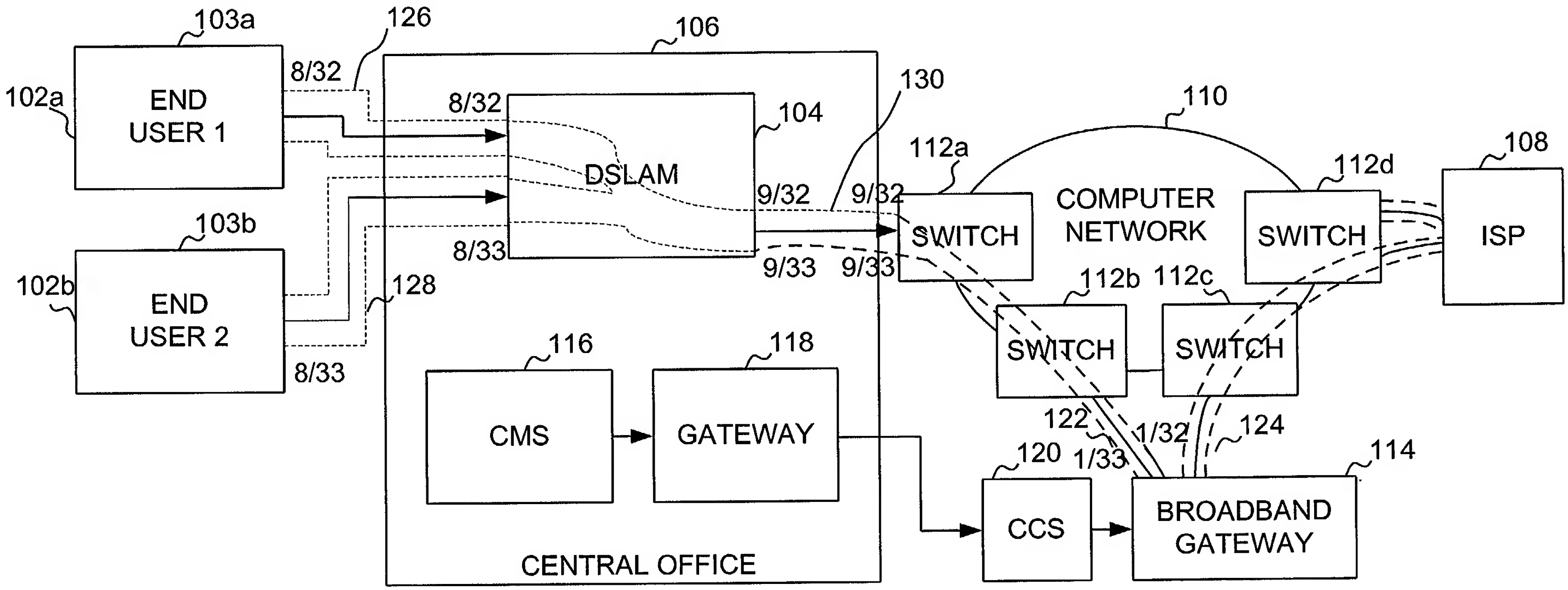103a
102a
END
USER 1
8/32
126
106
8/32
DSLAM
104
130
9/32
9/32
112a
COMPUTER
NETWORK
110
112d
SWITCH
SWITCH
108
ISP
103b
102b
END
USER 2
8/33
128
8/33
9/33
9/33
112b
112c
SWITCH
SWITCH
116
CMS
118
GATEWAY
CENTRAL OFFICE
122
1/32
124
120
1/33
CCS
114
BROADBAND
GATEWAY

FIG. 1

201

	CONDITION	ACTION
(1)	(LAST_VCI - CURRENT_VCI) > DELTA_THRESHOLD	PROVISION VIRTUAL CIRCUIT FOR END USER
(2)	STATUS = SUCCESS AND (LAST_VCI - CURRENT_VCI) < DELTA_THRESHOLD	SEND BULK REQUEST
(3)	STATUS = FAIL	SEND BULK REQUEST
(4)	STATUS = SUCCESS AND (LAST_VCI - CURRENT_VCI) > DELTA_THRESHOLD	DO NOT SEND BULK REQUEST
(5)	STATUS = IN_PROCESS AND CURRENT_TIME - START_TIME) < TIME_THRESHHOLD	DO NOT SEND BULK REQUEST
(6)	STATUS = IN_PROCESS AND (CURRENT_TIME - START_TIME) > TIME_THRESHHOLD	SEND BULK REQUEST

FIG. 2

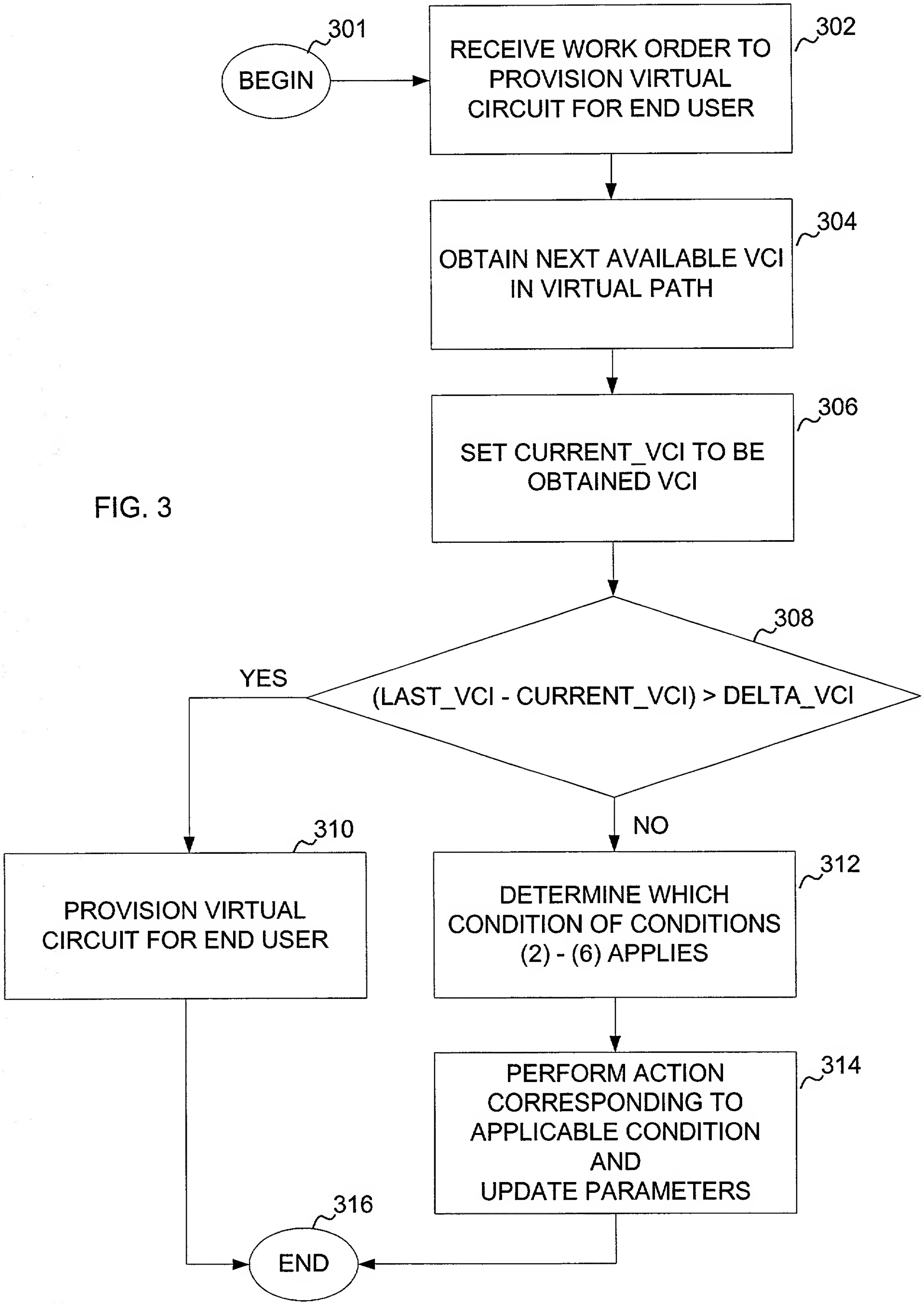
BEGIN
301
RECEIVE WORK ORDER TO PROVISION VIRTUAL CIRCUIT FOR END USER
302
OBTAIN NEXT AVAILABLE VCI IN VIRTUAL PATH
304
SET CURRENT_VCI TO BE OBTAINED VCI
306
(LAST_VCI - CURRENT_VCI) > DELTA_VCI
308
YES
NO
PROVISION VIRTUAL CIRCUIT FOR END USER
310
DETERMINE WHICH CONDITION OF CONDITIONS (2) - (6) APPLIES
312
PERFORM ACTION CORRESPONDING TO APPLICABLE CONDITION AND UPDATE PARAMETERS
314
END
316

FIG. 3